

CLAIMS

What is claimed is:

1. A system comprising:
a first board for electrical communication with a second board;
at least one electrical communication connector positioned on one side of said first board;
and
slots constructed in said first board, said slots adapted for allowing at least one electrical communication connector positioned on said second board to mate through said slots with said first board electrical communication connector.
2. The system of claim 1 wherein said first board electrical communication connector is at least one female connector.
3. The system of claim 2 wherein said second board electrical communication connector is at least one blade for mating with said first board electrical communication connectors.
4. The system of claim 3 wherein said blade is mounted at an angle to said second board.
5. The system of claim 3 wherein each said blade comprises a plurality of individual electrical contacts.
6. The system of claim 4 wherein said angle is 90 degrees.
7. The system of claim 1 wherein some of said first and second board electrical communication connectors handle power from said first board to said second board and other of said electrical communication connectors handle bi-directional electronic signals between said first and second boards.

8. A system for reducing the space between electronic boards when said electronic boards are electrically connected together using electronic connectors, said system comprising:

a first electronic board having mounted on a first side thereof at least one said electronic connector;

a second electronic board having mounted thereon at least one electronic connector adapted to mated with said first board electronic connector; and

a slot constructed through said first electronic board to facilitate the mating of said first and second board electronic connectors when said second board is positioned in juxtaposition with a second side of said first electronic board.

9. The system of claim 8 wherein said second board electronic connector is a blade mounted perpendicular to said second electronic board.

10. The system of claim 8 wherein at least one first board electronic connector comprises a plurality of parallel spaced apart connectors.

11. The system of claim 10 wherein at least one second board electronic connector comprises a plurality of parallel spaced apart connectors.

12. The system of claim 11 wherein said second board electronic connector is a blade mounted at an angle to said second electronic board.

13. The system of claim 12 wherein said angle is 90 degrees.

14. A system for electrically interconnecting at least two electrical circuits, said method comprising:

means for positioning first and second ones of said electrical circuits such that a first side of a first one of said electrical circuits is positioned parallel to and facing a first side of a second one of said electrical circuits; and

means for inserting at least a portion of electrical connectors positioned on said first side of said second electrical circuit through said first circuit to mate with electrical connectors positioned on a second side of said first electronic circuit.

15. The system of claim 14 further comprising:
continuing said inserting until said first sides of said first and second electrical circuits are in physical contact with one another.

16. The system of claim 14 wherein said second circuit electrical connectors are blades positioned at an angle to said second board.

17. A system for increasing cooling capacity of at least two circuit boards interconnected electrically using electrical connectors, said system comprising:
means for positioning said at least two circuit boards in touching juxtaposition, said means comprising:

at least one said electrical connector positioned on a side of said first one of said circuit boards opposite the side of said touching juxtaposition, and

at least one opening through said first one of said circuit boards, said opening facilitating said electrical interconnecting between said first and second circuit boards.

18. The system of claim 17 wherein at least one first circuit electrical connector comprises a plurality of parallel spaced apart connectors.

19. The system of claim 18 wherein said second circuit comprises a plurality of mechanical connectors, each connector comprising a blade mounted at an angle to said second circuit.

20. A system for electrically interconnecting at least two electrical circuits, said method comprising:

means for positioning first and second ones of said electrical circuits such that a first side of a first one of said electrical circuits is positioned parallel to and facing a first side of a second one of said electrical circuits; and

means for inserting at least a portion of electrical connectors positioned on said first side of said second electrical circuit though said first circuit to mate with electrical connectors positioned on a second side of said first electronic circuit.